

Gradient Thermal Cycler

MTC9600



Description:

- ◆ MTC9600 Gradient Thermal Cycler is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is produced by basing on highly reliable semiconductor peltier and embedded operating system. Gradient thermal cycler is ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc.

Features:

- ◆ Excellent amplification due to high quality semiconductor peltier.
- ◆ The fastest heating and cooling rate of 5C /s save valuable experimental time.
- ◆ 7-inch color touch screen—for easy programming of users.
- ◆ Self adjusting heated lid: excellent anti-evaporation effect, it can adapt to different height test tubes.
- ◆ Gradient PCR set up with 12 different temperatures.
- ◆ Built-in standard procedure document template can quickly edit the required documents.
- ◆ One-click quick incubation function can meet needs of experiments such as denaturation, enzyme cutting/enzyme-link, and ELISA.
- ◆ Support U disk to get PCR data to update software.
- ◆ Automatic restart after power failure.
- ◆ Automatic fault detection and alarm function.

Parameters:

Project	Parameters
Capacity	96x0.2ml (0.2ml PCR tubes, 8-tube strips)
Temp. setting range	0°C~105°C
Temp. control range	RT.-25°C~105°C
Heated lid temp. setting range	30°C~112°C
Heated lid temp. control range	RT+5°C~112°C (user adjustable)
Temp. uniformity	±0.2°C
Temp. accuracy	±0.2°C
Max. heating rate	5°C/sec
Max. cooling rate	4°C/sec
Temp. display resolution	0.1°C
Temp. control method	Block/Tube
Display	7-inch color touch screen, 800x480 Pixel
Communication interface	USBx2
Tm calculation	Automated
Program memory	10000+
Time increment/decrement	-999~999s
Temp. increment/decrement	-10~10°C

Project	Parameters
Gradient range	30~105°C
Gradient setting range	0.1~30°C
Gradient temp. uniformity	±0.2°C
Gradient temp. accuracy	±0.2°C
Temp. change rate	0.1~4°C/s
Single step time range	0~9h59min59s/∞
Program max. cycle numbers	100
Max. steps of the program	30
Program pause function	Yes
16°C insulation	Forever
Auto data protection	Yes
On-screen report	Yes
Power supply	800W
Voltage	AC100~240V/50-60Hz
Fuse	250V 10A Φ5×20
Dimension(mm)	420x260x245
Weight(kg)	11

